

Nunu
Yin

To: Ms. Nunu Yin

#13



O1PE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/734,221A

DATE: 10/08/2002
TIME: 11:05:25

Input Set : A:\Seqlist.txt
Output Set: N:\CRF4\10082002\I734221A.raw

SEQUENCE LISTING

ENTERED

- 4 (1) GENERAL INFORMATION:
 6 (i) APPLICANT: LITTMAN, DAN R.
 7 DENG, HONGKUI
 8 ELLMEIER, WILFRIED
 9 LANDAU, NATHANIEL R.
 10 LIU, RONG
 12 (ii) TITLE OF INVENTION: G-COUPLED RECEPTORS ASSOCIATED WITH
 13 MACROPHAGE-TROPHIC HIV, AND DIAGNOSTIC AND THERAPEUTIC
 14 USES THEREOF
 16 (iii) NUMBER OF SEQUENCES: 14
 18 (iv) CORRESPONDENCE ADDRESS:
 19 (A) ADDRESSEE: David A. Jackson, Esq.
 20 (B) STREET: 411 Hackensack Ave, Continental Plaza, 4th
 21 Floor
 22 (C) CITY: Hackensack
 23 (D) STATE: New Jersey
 24 (E) COUNTRY: USA
 25 (F) ZIP: 07601
 27 (v) COMPUTER READABLE FORM:
 28 (A) MEDIUM TYPE: Floppy disk
 29 (B) COMPUTER: IBM PC compatible
 30 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 31 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 33 (vi) CURRENT APPLICATION DATA:
 C--> 34 (A) APPLICATION NUMBER: US/09/734,221A
 C--> 35 (B) FILING DATE: 11-Dec-2000
 41 (C) CLASSIFICATION:
 C--> 43 (vii) PRIOR APPLICATION DATA:
 39 (A) APPLICATION NUMBER: US 08/666,020
 40 (B) FILING DATE: 19-JUN-1996
 44 (A) APPLICATION NUMBER: US 08/227,319
 45 (B) FILING DATE: 13-APR-1994
 47 (viii) ATTORNEY/AGENT INFORMATION:
 48 (A) NAME: Jackson Esq., David A.
 49 (B) REGISTRATION NUMBER: 26,742
 50 (C) REFERENCE/DOCKET NUMBER: 1049-1-004 N2
 52 (ix) TELECOMMUNICATION INFORMATION:
 53 (A) TELEPHONE: 201-487-5800
 54 (B) TELEFAX: 201-343-1684
 57 (2) INFORMATION FOR SEQ ID NO: 1:
 59 (i) SEQUENCE CHARACTERISTICS:
 60 (A) LENGTH: 29 base pairs

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61	(B) TYPE: nucleic acid	
62	(C) STRANDEDNESS: single	
63	(D) TOPOLOGY: linear	
65	(ii) MOLECULE TYPE: DNA (genomic)	
67	(iii) HYPOTHETICAL: NO	
69	(vi) ORIGINAL SOURCE:	
70	(A) ORGANISM: Homo sapiens	
72	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:	
74	CTCGGATCCG GTGGAACAAG ATGGATTAT	29
76	(2) INFORMATION FOR SEQ ID NO: 2:	
78	(i) SEQUENCE CHARACTERISTICS:	
79	(A) LENGTH: 28 base pairs	
80	(B) TYPE: nucleic acid	
81	(C) STRANDEDNESS: single	
82	(D) TOPOLOGY: linear	
84	(ii) MOLECULE TYPE: DNA (genomic)	
86	(iii) HYPOTHETICAL: NO	
88	(vi) ORIGINAL SOURCE:	
89	(A) ORGANISM: Homo sapiens	
91	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
93	CTCGTCGACA TGTGCACAAAC TCTGACTG	28
96	(2) INFORMATION FOR SEQ ID NO: 3:	
98	(i) SEQUENCE CHARACTERISTICS:	
99	(A) LENGTH: 66 base pairs	
100	(B) TYPE: nucleic acid	
101	(C) STRANDEDNESS: double	
102	(D) TOPOLOGY: linear	
104	(ii) MOLECULE TYPE: cDNA	
106	(iii) HYPOTHETICAL: NO	
108	(vi) ORIGINAL SOURCE:	
109	(A) ORGANISM: Homo sapiens	
111	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
113	ATGGATTATC AAGTGTCAAG TCCAATCTAT GACATCAATT ATTATAACATC GGAGCCCTGC	60
115	CAAAAAA	66
117	(2) INFORMATION FOR SEQ ID NO: 4:	
119	(i) SEQUENCE CHARACTERISTICS:	
120	(A) LENGTH: 22 amino acids	
121	(B) TYPE: amino acid	
122	(C) STRANDEDNESS: single	
123	(D) TOPOLOGY: linear	
125	(ii) MOLECULE TYPE: peptide	
127	(iii) HYPOTHETICAL: NO	
129	(v) FRAGMENT TYPE: internal	
131	(vi) ORIGINAL SOURCE:	
132	(A) ORGANISM: Homo sapiens	
134	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
136	Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr	
137	1 5 10 15	
139	Ser Glu Pro Cys Gln Lys	

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140 20
 142 (2) INFORMATION FOR SEQ ID NO: 5:
 144 (i) SEQUENCE CHARACTERISTICS:
 145 (A) LENGTH: 84 base pairs
 146 (B) TYPE: nucleic acid
 147 (C) STRANDEDNESS: double
 148 (D) TOPOLOGY: linear
 150 (ii) MOLECULE TYPE: cDNA
 152 (iii) HYPOTHETICAL: NO
 155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 157 ATGGATTATC AAGTGTCAAG TCCAATCTAT GACATCAATT ATCCATACGA TGTTCAGAT 60
 158 TATGCTTCGG AGCCCTGCCA AAAA 84
 160 (2) INFORMATION FOR SEQ ID NO: 6:
 162 (i) SEQUENCE CHARACTERISTICS:
 163 (A) LENGTH: 28 amino acids
 164 (B) TYPE: amino acid
 165 (C) STRANDEDNESS: single
 166 (D) TOPOLOGY: linear
 168 (ii) MOLECULE TYPE: peptide
 170 (iii) HYPOTHETICAL: NO
 171 (v) FRAGMENT TYPE: internal
 172 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
 174 Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Pro Tyr 15
 175 1 5 10 15
 177 Asp Val Pro Asp Tyr Ala Ser Glu Pro Cys Gln Lys
 178 20 25
 180 (2) INFORMATION FOR SEQ ID NO: 7:
 182 (i) SEQUENCE CHARACTERISTICS:
 183 (A) LENGTH: 51 base pairs
 184 (B) TYPE: nucleic acid
 185 (C) STRANDEDNESS: single
 186 (D) TOPOLOGY: linear
 188 (ii) MOLECULE TYPE: other nucleic acid
 189 (A) DESCRIPTION: /desc = "Oligonucleotides"
 191 (iii) HYPOTHETICAL: NO
 193 (vi) ORIGINAL SOURCE:
 194 (A) ORGANISM: Homo sapiens
 196 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 198 ATCAATTATC CATACTGATGT TCCAGATTAT GCTTCGGAGC CCTGCCAAAA A 51
 200 (2) INFORMATION FOR SEQ ID NO: 8:
 202 (i) SEQUENCE CHARACTERISTICS:
 203 (A) LENGTH: 63 base pairs
 204 (B) TYPE: nucleic acid
 205 (C) STRANDEDNESS: single
 206 (D) TOPOLOGY: linear
 208 (ii) MOLECULE TYPE: other nucleic acid
 209 (A) DESCRIPTION: /desc = "Oligonucleotides"
 211 (iii) HYPOTHETICAL: NO
 213 (vi) ORIGINAL SOURCE:

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214 (A) ORGANISM: Homo sapiens
 216 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 218 GCAGGATCCA CCATGGATTAA TCAAGTGTCA AGTCCAATCT ATGACATCAA TTATCCATAC 60
 219 GAT 63
 221 (2) INFORMATION FOR SEQ ID NO: 9:
 223 (i) SEQUENCE CHARACTERISTICS:
 224 (A) LENGTH: 24 base pairs
 225 (B) TYPE: nucleic acid
 226 (C) STRANDEDNESS: double
 227 (D) TOPOLOGY: linear
 229 (ii) MOLECULE TYPE: cDNA
 231 (iii) HYPOTHETICAL: NO
 234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9: 24
 236 CCATACGATG TTCCAGATTAA TGCT
 238 (2) INFORMATION FOR SEQ ID NO: 10:
 240 (i) SEQUENCE CHARACTERISTICS:
 241 (A) LENGTH: 8 amino acids
 242 (B) TYPE: amino acid
 243 (C) STRANDEDNESS: single
 244 (D) TOPOLOGY: linear
 246 (ii) MOLECULE TYPE: peptide
 248 (iii) HYPOTHETICAL: NO
 250 (v) FRAGMENT TYPE: internal
 252 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
 254 Pro Tyr Asp Val Pro Asp Tyr Ala
 255 1 5
 257 (2) INFORMATION FOR SEQ ID NO: 11:
 259 (i) SEQUENCE CHARACTERISTICS:
 260 (A) LENGTH: 30 base pairs
 261 (B) TYPE: nucleic acid
 262 (C) STRANDEDNESS: single
 263 (D) TOPOLOGY: linear
 265 (ii) MOLECULE TYPE: cDNA
 267 (iii) HYPOTHETICAL: NO
 269 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11: 30
 271 TATCCATACG ATGTTCCAGA TTATGCTTCG
 273 (2) INFORMATION FOR SEQ ID NO: 12:
 275 (i) SEQUENCE CHARACTERISTICS:
 276 (A) LENGTH: 10 amino acids
 277 (B) TYPE: amino acid
 278 (C) STRANDEDNESS: single
 279 (D) TOPOLOGY: linear
 281 (ii) MOLECULE TYPE: peptide
 283 (iii) HYPOTHETICAL: NO
 285 (v) FRAGMENT TYPE: internal
 286 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 288 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser
 289 1 5 10
 292 (2) INFORMATION FOR SEQ ID NO: 13:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/734,221A

DATE: 10/08/2002
TIME: 11:05:25

Input Set : A:\Seqlist.txt
Output Set: N:\CRF4\10082002\I734221A.raw

294	(i) SEQUENCE CHARACTERISTICS:	
295	(A) LENGTH: 3383 base pairs	
296	(B) TYPE: nucleic acid	
297	(C) STRANDEDNESS: double	
298	(D) TOPOLOGY: linear	
300	(ii) MOLECULE TYPE: cDNA	
302	(iii) HYPOTHETICAL: NO	
304	(vi) ORIGINAL SOURCE:	
305	(A) ORGANISM: Homo sapiens	
307	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
309	AGAAGAGCTG AGACATCCGT TCCCCAACAA GAAACTCTCC CCGGGTGGAA CAAGATGGAT	60
310	TATCAAGTGT CAAGTCCAAT CTATGACATC AATTATTATA CATCGGAGCC CTGCCAAAAA	120
311	ATCAATGTGA AGCAAATCGC AGCCCGCCTC CTGCCTCCGC TCTACTCACT GGTGTTCATC	180
312	TTTGGTTTTG TGGGCAACAT GCTGGTCATC CTCATCCTGA TAAACTGCAA AAGGCTGAAG	240
313	AGCATGACTG ACATCTACCT GCTCAACCTG GCCATCTCTG ACCTGTTTT CCTTCTTACT	300
314	GTCCTCTTCT GGGCTCACTA TGCTGCCGCC CAGTGGGACT TTGGAAATAC AATGTGTCAA	360
315	CTCTTGACAG GGCTCTATTT TATAGGCTTC TTCTCTGGAA TCTTCTTCAT CATCCTCCTG	420
316	ACAATCGATA GGTACCTGGC TGCGTCCAT GCTGTGTTG CTTTAAAAGC CAGGACGGTC	480
317	ACCTTTGGGG TGGTACAAG TGTGATCACT TGGGTGGTGG CTGTGTTTGC GTCTCTCCCA	540
318	GGAATCATCT TTACCAAGATC TCAAAAAGAA GGTCTTCATT ACACCTGCAG CTCTCATTTT	600
319	CCATACAGTC AGTATCAATT CTGGAAGAAT TTCCAGACAT TAAAGATAGT CATCTTGGGG	660
320	CTGGTCCTGC CGCTGCTTGT CATGGTCATC TGCTACTCGG GAATCCTAAA AACTCTGCTT	720
321	CGGTGTCGAA ATGAGAAGAA GAGGCACAGG GCTGTGAGGC TTATCTTCAC CATCATGATT	780
322	TTTTATTTC TCTTCTGGC TCCCTACAC ATTGTCTTC TCCTGAACAC CTTCCAGGAA	840
323	TTCTTTGGCC TGAATAATTG CAGTAGCTCT AACAGGTTGG ACCAAGCTAT GCAGGTGACA	900
324	GAGACTCTG GGATGACGCA CTGCTGCATC AACCCATCA TCTATGCCTT TGTCGGGGAG	960
325	AAGTCAGAA ACTACCTCTT AGTCTTCTTC CAAAAGCACA TTGCCAACAG CTTCTGAAA	1020
326	TGCTGTTCTA TTTTCCAGCA AGAGGCTCCC GAGCGAGCAA GCTCAGTTA CACCCGATCC	1080
327	ACTGGGGAGC AGGAAATATC TGTGGGCTTG TGACACGGAC TCAAGTGGGC TGGTGACCCA	1140
328	GTCAGAGTTG TGCACATGGC TTAGTTTCA TACACAGCCT GGGCTGGGG TGGGGTGGGA	1200
329	GAGGTCTTT TTAAAAGGAA GTTACTGTTA TAGAGGGTCT AAGATTTCATC CATTATTG	1260
330	GCATCTGTT AAAGTAGATT AGATCTTTA AGCCCACAA TTATAGAAAG CCAAATCAA	1320
331	ATATGTTGAT GAAAAATAGC AACCTTTTA TCTCCCTTC ACATGCATCA AGTTATTGAC	1380
332	AAACTCTCCC TTCACTCCGA AAGTCCCTA TGTATATTAA AAAGAAAGCC TCAGAGAATT	1440
333	GCTGATTCTT GAGTTAGTG ATCTGAACAG AAATACAAA ATTATTCAG AAATGTACAA	1500
334	CTTTTACCT AGTACAAGGC AACATATAGG TTGAAATGT GTTAAAACA GGCTTTGTC	1560
335	TTGCTATGGG GAGAAAAGAC ATGAATATGA TTAGTAAAGA AATGACACTT TTCATGTGTG	1620
336	ATTTCCCCCTC CAAGGTATGG TTAATAAGTT TCACTGACTT AGAACCGAGC GAGAGACTTG	1680
337	TGGCCTGGGA GAGCTGGGA AGCTTCTAA ATGAGAAGGA ATTTGAGTTG GATCATCTAT	1740
338	TGCTGGAAA GACAGAAGCC TCACTGCAAG CACTGCATGG GCAAGCTGG CTGTAGAAGG	1800
339	AGACAGAGCT GGTTGGGAAG ACATGGGGAG GAAGGACAAG GCTAGATCAT GAAGAACCTT	1860
340	GACGGCATTG CTCCGTCTAA GTCATGAGCT GAGCAGGGAG ATCCTGTTG GTGTTGCAGA	1920
341	AGGTTTACTC TGTGCCAAA GGAGGGTCAG GAAGGATGAG CATTAGGGC AAGGAGACCA	1980
342	CCAACAGCCC TCAGGTCAGG GTGAGGATGG CCTCTGCTAA GCTCAAGGCG TGAGGATGGG	2040
343	AAGGAGGGAG GTATTGCTAA GGATGGGAAG GAGGGAGGTA TTCGTGCAGC ATATGAGGAT	2100
344	GCAGAGTCAG CAGAACTGGG GTGGATTGG TTTGGAAGTG AGGGTCAGAG AGGAGTCAGA	2160
345	GAGAATCCCT AGTCTTCAAG CAGATTGGAG AAACCCCTGA AAAGACATCA AGCACAGAAG	2220
346	GAGGAGGGAG AGGTTAGGT CAAGAAGAAG ATGGATTGGT GTAAAAGGAT GGGCTGGTT	2280
347	TGCAGAGCTT GAACACAGTC TCACCCAGAC TCCAGGCTGT CTTTCACTGA ATGCTTCTGA	2340

VERIFICATION SUMMARY

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DATE: 10/08/2002

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Input Set : A:\Seqlist.txt

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L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:38 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]